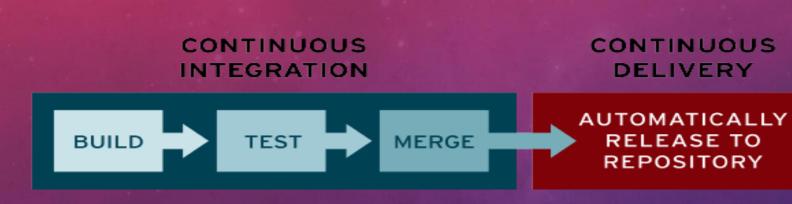


## WHAT IS CI/CD?

- continuous integration: is The practice of merging all developers' working copies to a shared mainline several times a day.
- continuous deployment: is A software engineering approach in which the value is delivered frequently through automated deployments

 Continuous Delivery: is An engineering practice in which teams produce and release value in short cycles.

## HOW CI/CD WORKS?



CONTINUOUS

AUTOMATICALLY DEPLOY TO PRODUCTION

## BENEFITS OF CI/CD:

- In Avoiding Cost :
  - 1. Less bugs in production and less time in testing.
  - 2. Prevent embarrassing or costly security holes.
  - 3. Less human error, Faster deployments.
- In Reduce Cost :
  - 1. Less developer time on issues from new developer code.
  - 2. Less infrastructure costs from unused resources.

- In Protect Revenue:
  - 1. Reduced downtime from a deploy-related crash or major bug.
  - 2. Quick undo to return production to working state.
- In Increase Revenue:
  - 1. Less time to market.